

## PATENT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No: 10/603,392      Docket No: 1981034  
Filing Date: 06/24/2003      Applicant: Jefferson Liu  
Examiner: VORTMAN, ANATOLY      Art Unit: 2835  
Title: **SELF-HEAT-CONDUCTIVE HEAT DISSIPATING MODULE**  
**(AS AMENDED)**

To: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

### RESPONSE TO OFFICE ACTION TRANSMITTAL

1. Transmitted herewith is a response to an office action for this application.

#### STATUS

2. Applicant is entitled to Small Entity Status.
3. The proceedings herein are for a patent application and the provisions of 37 CFR 1.136 apply. Applicant believes that in light of the original response, no extension of time should be required. However, a conditional petition for extension of time is hereby made to provide for the possibility that applicant indeed needs a petition for extension of time.

4. FEE FOR CLAIMS: The fee for claims has been calculated as follows:

Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra
Total 6	- 20	= 0
Ind. 1	- 3	= 0


5. FEE PAYMENT: Applicant believes that no fee is required at this time. Authorization is hereby given to charge any fees that are required to deposit account number 11-1245.

6. Certificate of Mailing (37 CFR 1.8a): I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

Date: November 10, 2004

Registration No: 32,737  
Telephone: (408) 778-3440

  
\_\_\_\_\_  
Keith Kline  
PRO-TECHTOR INTERNATIONAL  
20775 Norada Court  
Saratoga, CA 95070-3018



1FW

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No: 10/603,392                      Docket No: 1981034  
Filing Date: 06/24/2003                  Applicant: Jefferson Liu  
Examiner: VORTMAN, ANATOLY              Art Unit: 2835  
Title: ***SELF-HEAT-CONDUCTIVE HEAT DISSIPATING MODULE  
(AS AMENDED)***

To: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO OFFICE ACTION**

Dear Sir:

The following is in further response to the Office Action dated 08/10/2004

**AMENDMENTS TO THE CLAIMS**

1-7. (Canceled)

1            8. (Currently amended) A self-heat-conductive heat dissipating module, comprising:  
2            a plurality of heatsinks which are overlapped, said heatsinks being physically  
3            separated from each other and having a discontinuous contact interface, with each said  
4            heatsink having a plurality of fins connected to a base of said heatsink, said base also  
5            having a plurality of trenches;  
6            at least one heat convection superconductive tube containing a high temperature  
7            superconductor composite material, said superconductive tube connecting a pair of said  
8            heatsinks, said at least one superconductive tube having a first portion that is received in  
9            one of said trenches of said base of a first heatsink of said pair of heatsinks, and said at  
10           least one superconductive tube having a second portion that is received in one of said  
11           trenches of said base of a second heatsink of said pair of heatsinks, such that heat is